

IN THE CLAIMS

1. - 2. (Cancelled)

3. (Currently Amended) Component according to claim [[19]] 12, wherein the composite is prefabricated as a profiled rod material further comprising carbon fibers.

4. (Currently Amended) Component according to claim [[19]] 12, wherein the polymer material is PAEK (poly-aryl-ether ketone).

5. (Previously presented) Component according to claim 3, wherein the carbon fibers and the X-ray absorbing fibers are designed as continuous fibers and/or fibers with a length exceeding 3 mm.

6. (Currently Amended) Component according to claim [[19]] 12, wherein the fibers are enveloped by a matrix of the polymer or ceramic material.

7. (Currently Amended) Component according to claim [[19]] 12, wherein the X-ray absorbing fibers comprise a nonmagnetic material.

8. (Currently Amended) Component according to claim [[19]] 12, wherein the X-ray absorbing fibers are made from materials selected from the group consisting of: tantalum, tungsten, gold, and platinum.

9. (Cancelled)

10. (Currently Amended) Component according to claim [[19]] 12, wherein the fibers are oriented differently depending on the longitudinally or transverse oriented alignment of the component (1, 18).

11. (Cancelled)

12. (Previously Presented) A surgically implantable biocompatible component comprising:

a composite of polymer or ceramic material;

X-ray absorbing reinforcing fibers distributed throughout the composite, wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a shape and application of the surgically implantable biocompatible component (1, 18) in a defined manner to provide X-ray visibility control for the surgically implantable biocompatible component; and

carbon fibers, wherein a total fiber percentage in the composite remains constant over a length or width of the biocompatible component, which changes a ratio of carbon fibers (6) to X-ray absorbing fibers (6).

13 - 14. (Cancelled)

15. (Previously Presented) A surgically implantable biocompatible component in the form of a strip or plate assembly part comprising:

a composite of polymer or ceramic material;

X-ray absorbing reinforcing fibers distributed throughout the composite, wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a shape and application of the surgically implantable biocompatible component (1, 18) in a defined manner to provide X-ray visibility control for the component;

wherein a concentration of fibers (6) is present in an area (A) of one or more recesses (14) or holes in the biocompatible component (18), and wherein the percentage of the X-ray absorbing fibers is reduced in the area (A).

16. - 19. (Cancelled)

20. (New) Component according to claim 15, wherein the composite is prefabricated as a profiled rod material further comprising carbon fibers.

21. (New) Component according to claim 15, wherein the polymer material is PAEK (poly-aryl-ether ketone).

22. (New) Component according to claim 20, wherein the carbon fibers and the X-ray absorbing fibers are designed as continuous fibers and/or fibers with a length exceeding 3 mm.

23. (New) Component according to claim 15, wherein the fibers are enveloped by a matrix of the polymer or ceramic material.

24. (New) Component according to claim 15, wherein the X-ray absorbing fibers comprise a nonmagnetic material.

25. (New) Component according to claim 15, wherein the X-ray absorbing fibers are made from materials selected from the group consisting of: tantalum, tungsten, gold, and platinum.

26. (New) Component according to claim 15, wherein the fibers are oriented differently depending on the longitudinally or transverse oriented alignment of the component (1, 18).